

Computer Engineering Curriculum Schedule Fall 2021

First Semester			
	APMA 1110	Single Variable Calculus	4
	CHEM 1410	Intro to College Chemistry	3
	CHEM 1411	Intro to College Chemistry Lab	1
	ENGR 1624	Introduction to Engineering	4
	STS 1500	Science Tech, Contemp Issues	3
Total Credits			15

Second Semester			
	APMA 2120	Multivariable Calculus	4
	CS 1110, 1111, 1112, or 1113	Intro to Programming	3
	PHYS 1425	General Physics I	3
	PHYS 1429	Physics I Workshop	1
	Math/Sci	Math/Science Elective	3
	HSS 1	HSS elective	3
Total Credits			17

Third Semester			
	APMA 2130	Ordinary Diff EQ	4
	CS 2130	Computer Systems and Org 1 (C)	4
	CS 2100	Data Structures & Algo. 1 (DSA)	4
	ECE 2630	ECE Fundamentals I	4
Total Credits			16

Fourth Semester			
	CS 3130	Computer Systems and Org 2	4
	ECE 2330	Digital Logic Design	3
	ECE 2660	ECE Fundamentals II	4
	STS 2xxx	STS Elective	3
	HSS 2	HSS Elective	3
Total Credits			17

Fifth Semester *			
	ECE 3430	Intro Embedded Comp Sys	4
	ECE 3750	ECE Fundamentals III	4
	CS 2120	Discrete Math & Theory	3
	PHYS 2415	Physics II	3
	PHYS 2419	Physics II Workshop	1
Total Credits			15

Sixth Semester			
	APMA 3100	Probability	3
	ECE 4435	Comp Arch and Design	4.5
	CS 3140	Software Development Ess	3
	CS/ECE	Elective (3000 or above)	3
	CS/ECE	Elective (3000 or above)	3
Total Credits			16.5

Seventh Semester			
	ECE 4440	Embedded Sys Dsgn (MDE)	4.5
	HSS 3	HSS elective	3
	CS/ECE	Elective (4000 or above)	3
	UE 1	Unrestricted elective	3
	STS 4500	STS & Engineering Practice	3
Total Credits			16.5

Eighth Semester			
	CS/ECE	Elective (4000 or above)	3
	UE 2	Unrestricted elective	3
	UE 3	Unrestricted elective	3
	UE 4	Unrestricted elective	3
	STS 4600	Engr Ethics Prof Respsbly	3
Total Credits			15